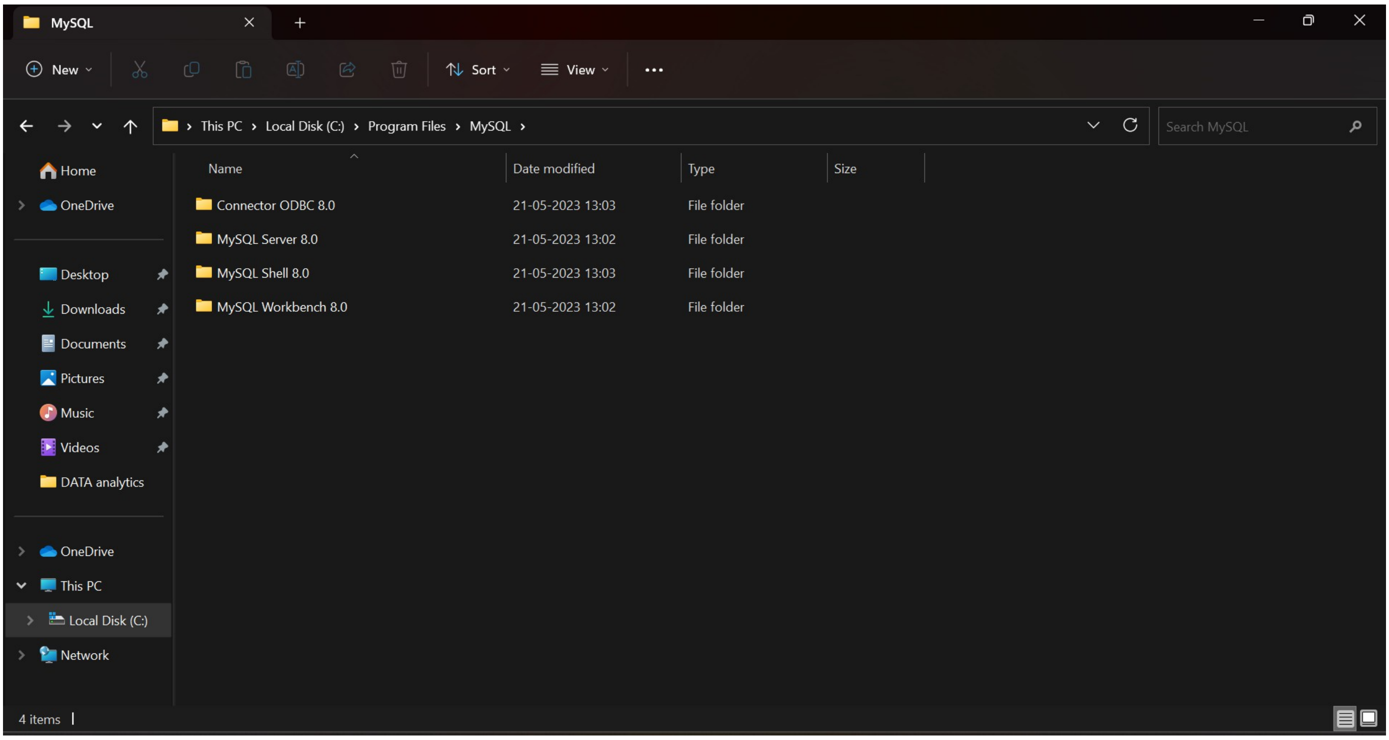
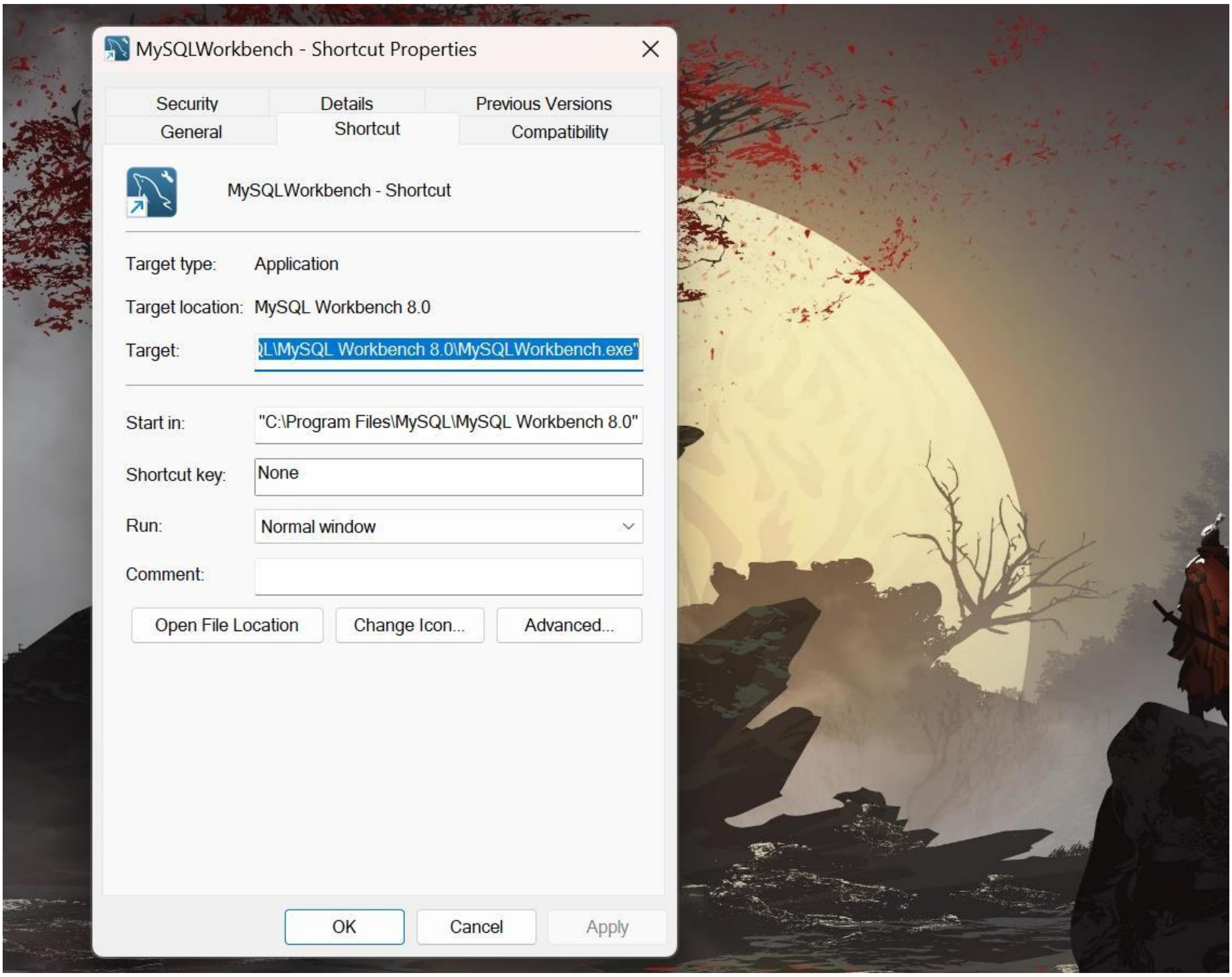
ASSIGNMENT – I

1) Download tableau desktop & Mysql in your PC or laptop


MySQL
New
Sort
View
This PC › Local Disk (C:) › Program Files › MySQL ›
Search MySQL
Home
OneDrive
Desktop
Downloads
Documents
Pictures
Music
Videos
DATA analytics
OneDrive
This PC
Local Disk (C:)
Network

Name	Date modified	Type	Size
Connector ODBC 8.0	21-05-2023 13:03	File folder	
MySQL Server 8.0	21-05-2023 13:02	File folder	
MySQL Shell 8.0	21-05-2023 13:03	File folder	
MySQL Workbench 8.0	21-05-2023 13:02	File folder	

4 items


MySQLWorkbench - Shortcut Properties
Security
Details
Previous Versions
General
Shortcut
Compatibility
Open File Location
Change Icon...
Advanced...
OK
Cancel
Apply

MySQLWorkbench - Shortcut

Target type: Application

Target location: MySQL Workbench 8.0

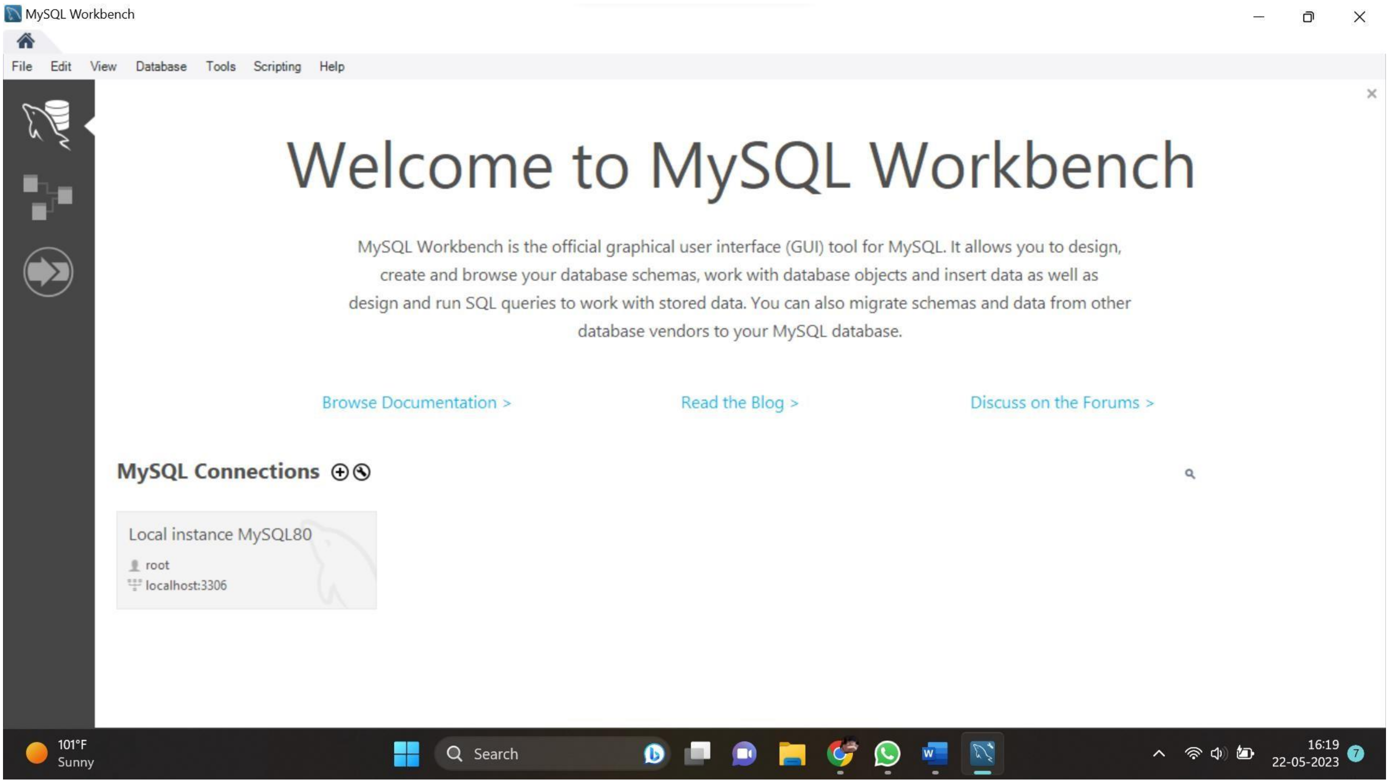
Target: L\MySQL Workbench 8.0\MySQLWorkbench.exe"

Start in: "C:\Program Files\MySQL\MySQL Workbench 8.0"

Shortcut key: None

Run: Normal window

Comment:


MySQL Workbench
File
Edit
View
Database
Tools
Scripting
Help
101°F
Sunny
Search
16:19
22-05-2023

Welcome to MySQL Workbench

MySQL Workbench is the official graphical user interface (GUI) tool for MySQL. It allows you to design, create and browse your database schemas, work with database objects and insert data as well as design and run SQL queries to work with stored data. You can also migrate schemas and data from other database vendors to your MySQL database.

Browse Documentation >

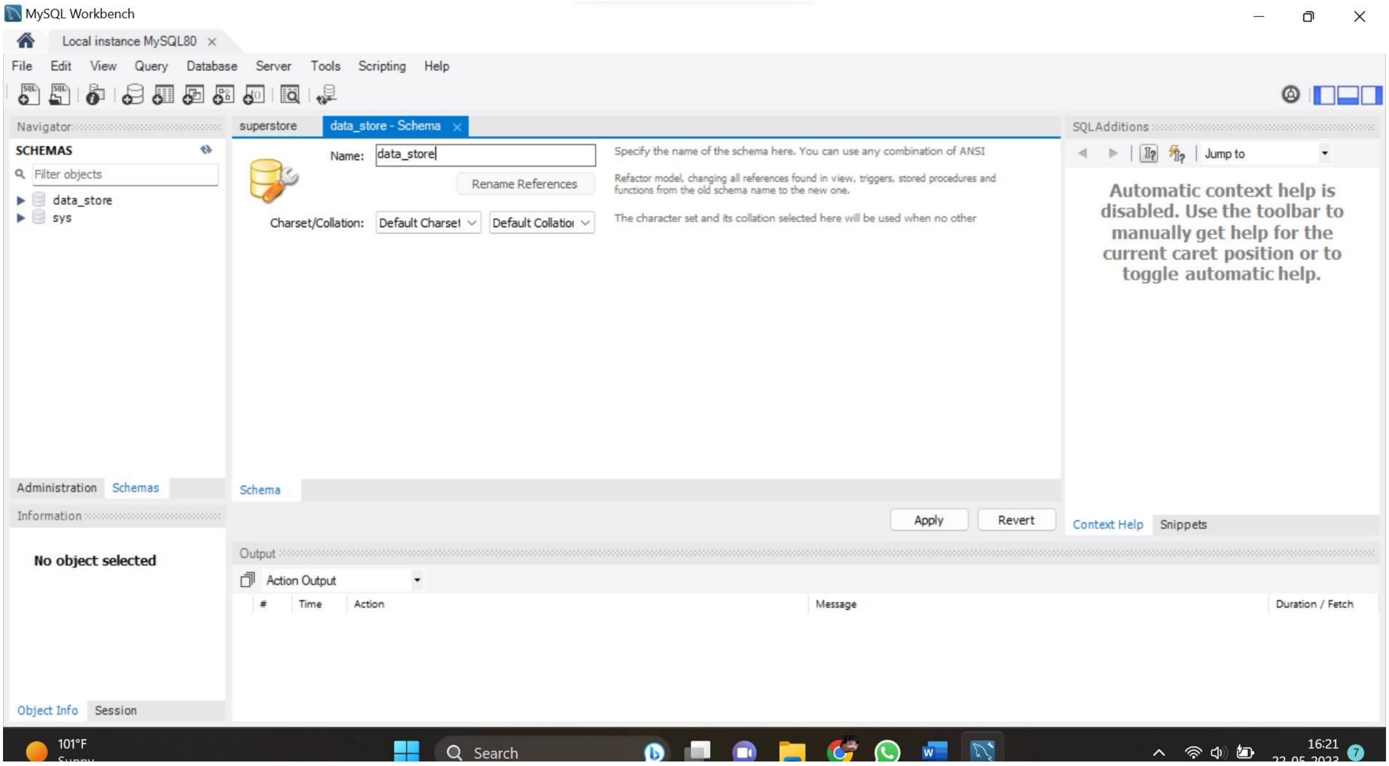
Read the Blog >

Discuss on the Forums >

MySQL Connections ⊕ ⊗

Local instance MySQL80
root
localhost:3306

2) Create a new schema in your Mysql workbench and upload your data


MySQL Workbench
Local instance MySQL80
File
Edit
View
Query
Database
Server
Tools
Scripting
Help
Navigator
SCHEMAS
Filter objects
data_store
sys
superstore
data_store - Schema
Rename References
Apply
Revert
Administration
Schemas
Information
Schema
Output
Action Output
#
Time
Action
Message
Duration / Fetch
Object Info
Session
SQLAdditions
Jump to
Context Help
Snippets
101°F
Search
16:21

Name: data_store

Specify the name of the schema here. You can use any combination of ANSI

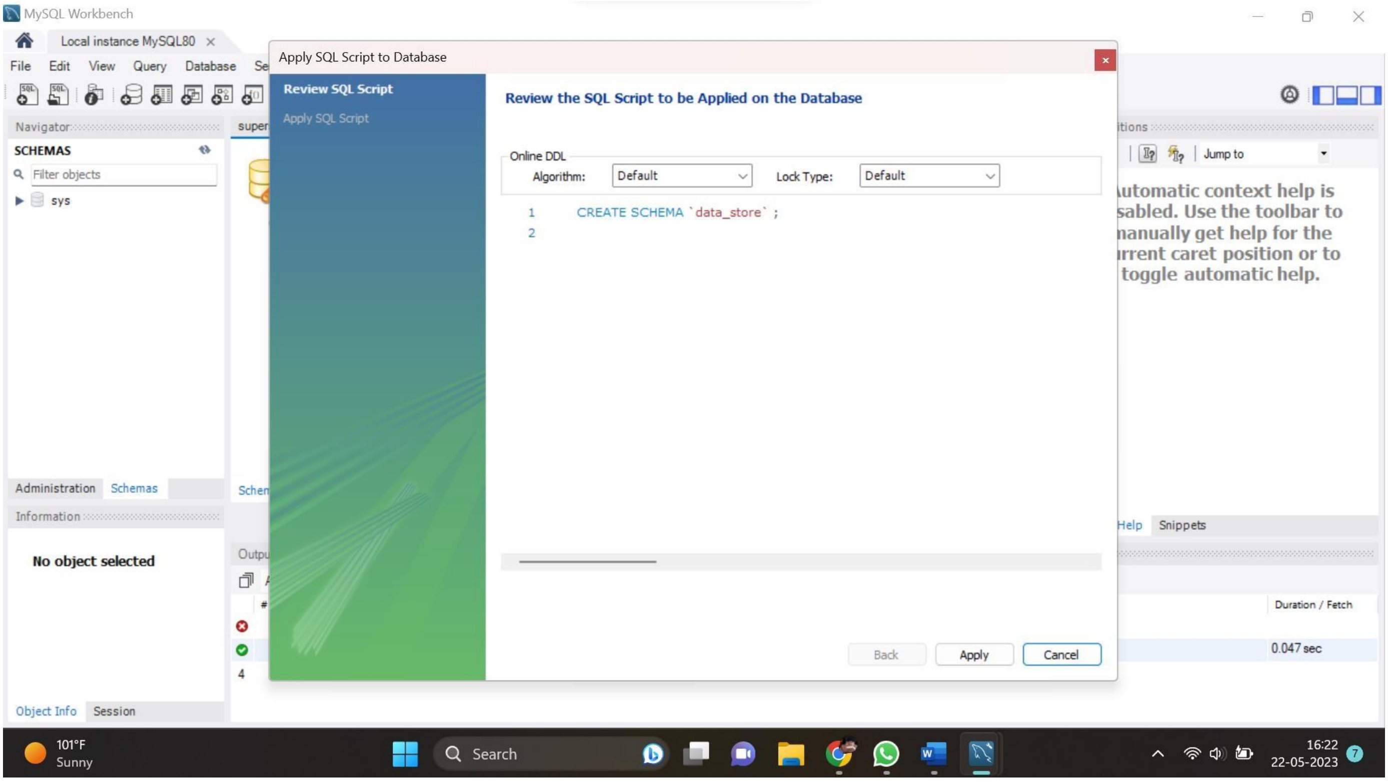
Refactor model, changing all references found in view, triggers, stored procedures and functions from the old schema name to the new one.

Charset/Collation: Default Charset Default Collation

The character set and its collation selected here will be used when no other

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

No object selected


MySQL Workbench
Local instance MySQL80
File
Edit
View
Query
Database
Navigator
SCHEMAS
Filter objects
sys
Administration
Schemas
Information
Object Info
Session
Apply SQL Script to Database
Review SQL Script
Apply SQL Script
Back
Apply
Cancel
Jump to
Help
Snippets
Duration / Fetch
101°F
Sunny
Search
16:22
22-05-2023

Review the SQL Script to be Applied on the Database

Online DDL

Algorithm: Default

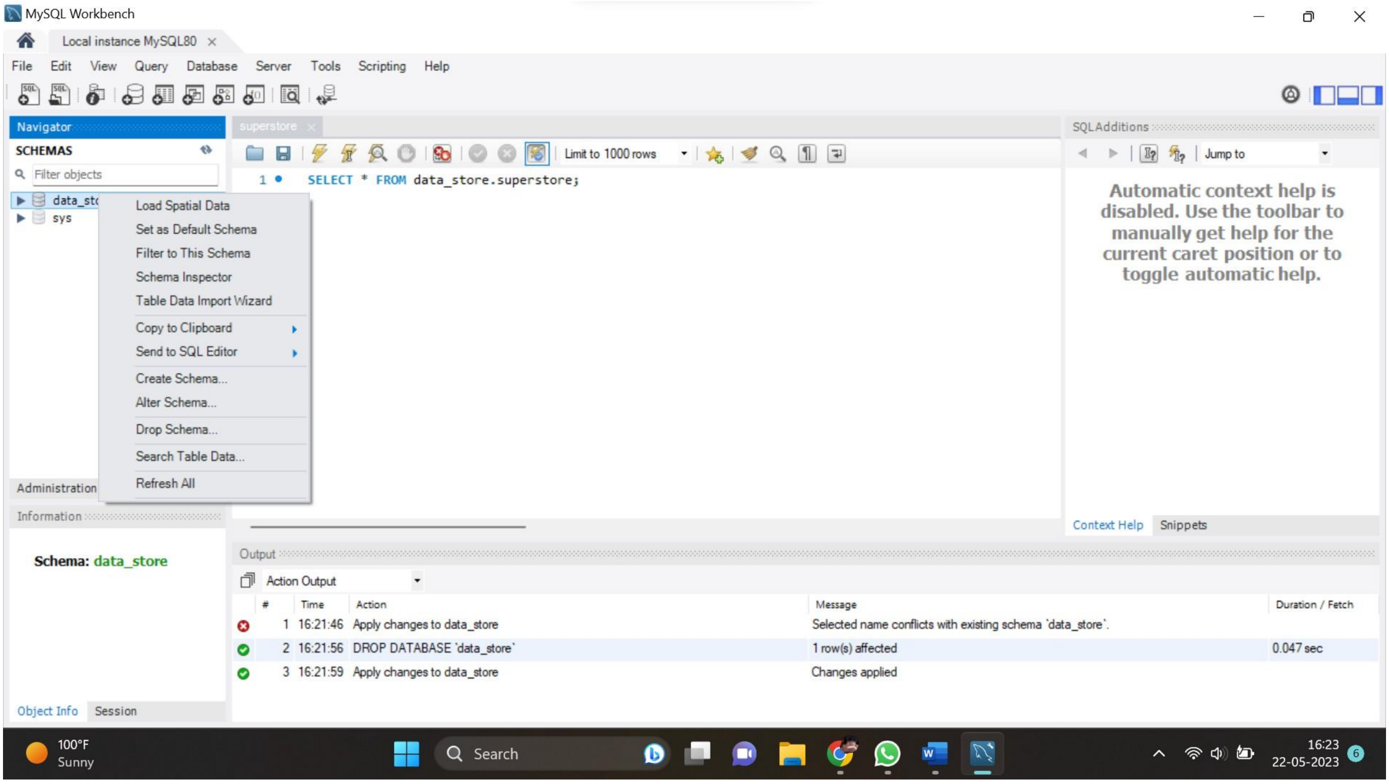
Lock Type: Default

```
CREATE SCHEMA `data_store` ;
```

utomatic context help is sabled. Use the toolbar to nanually get help for the irrent caret position or to toggle automatic help.

No object selected

0.047 sec

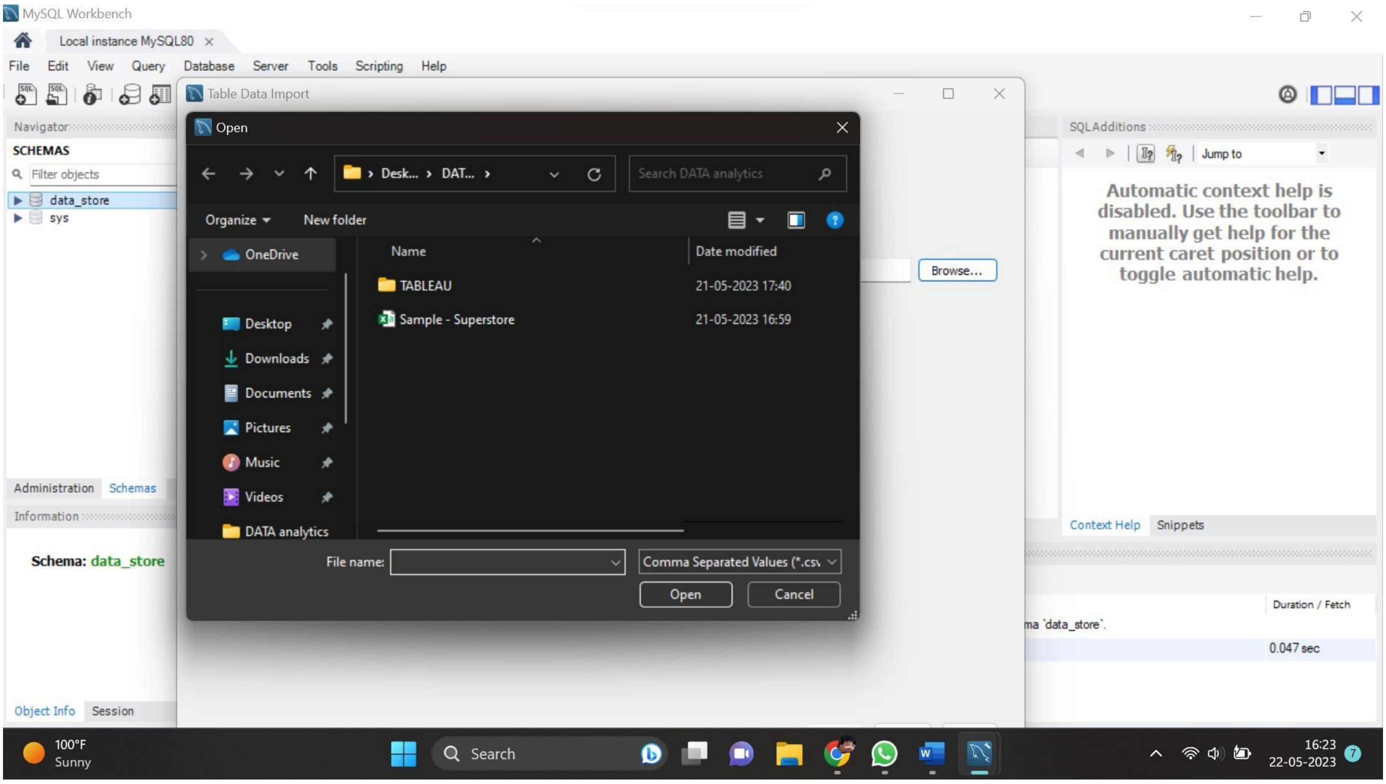

MySQL Workbench
Local instance MySQL80
File
Edit
View
Query
Database
Server
Tools
Scripting
Help
Navigator
SCHEMAS
Filter objects
data_sto
sys
Load Spatial Data
Set as Default Schema
Filter to This Schema
Schema Inspector
Table Data Import Wizard
Copy to Clipboard
Send to SQL Editor
Create Schema...
Alter Schema...
Drop Schema...
Search Table Data...
Refresh All
Administration
Information
superstore
Limit to 1000 rows
SQLAdditions
Jump to
Context Help
Snippets
Output
Action Output
Object Info
Session
100°F
Sunny
Search
16:23
22-05-2023

```
1 ● SELECT * FROM data_store.superstore;
```

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Schema: data_store

#	Time	Action	Message	Duration / Fetch
1	16:21:46	Apply changes to data_store	Selected name conflicts with existing schema 'data_store'.	
2	16:21:56	DROP DATABASE 'data_store'	1 row(s) affected	0.047 sec
3	16:21:59	Apply changes to data_store	Changes applied	


MySQL Workbench
Local instance MySQL80
File
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Query
Database
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Tools
Scripting
Help
Navigator
SCHEMAS
Filter objects
data_store
sys
Administration
Schemas
Information
Table Data Import
Browse...
Open
Desk...
DAT...
Search DATA analytics
Organize
New folder
OneDrive
Desktop
Downloads
Documents
Pictures
Music
Videos
DATA analytics
Open
Cancel
SQLAdditions
Jump to
Context Help
Snippets
Object Info
Session
100°F
Sunny
Search
16:23
22-05-2023

Name	Date modified
TABLEAU	21-05-2023 17:40
Sample - Superstore	21-05-2023 16:59

File name:

Comma Separated Values (*.csv

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Schema: data_store

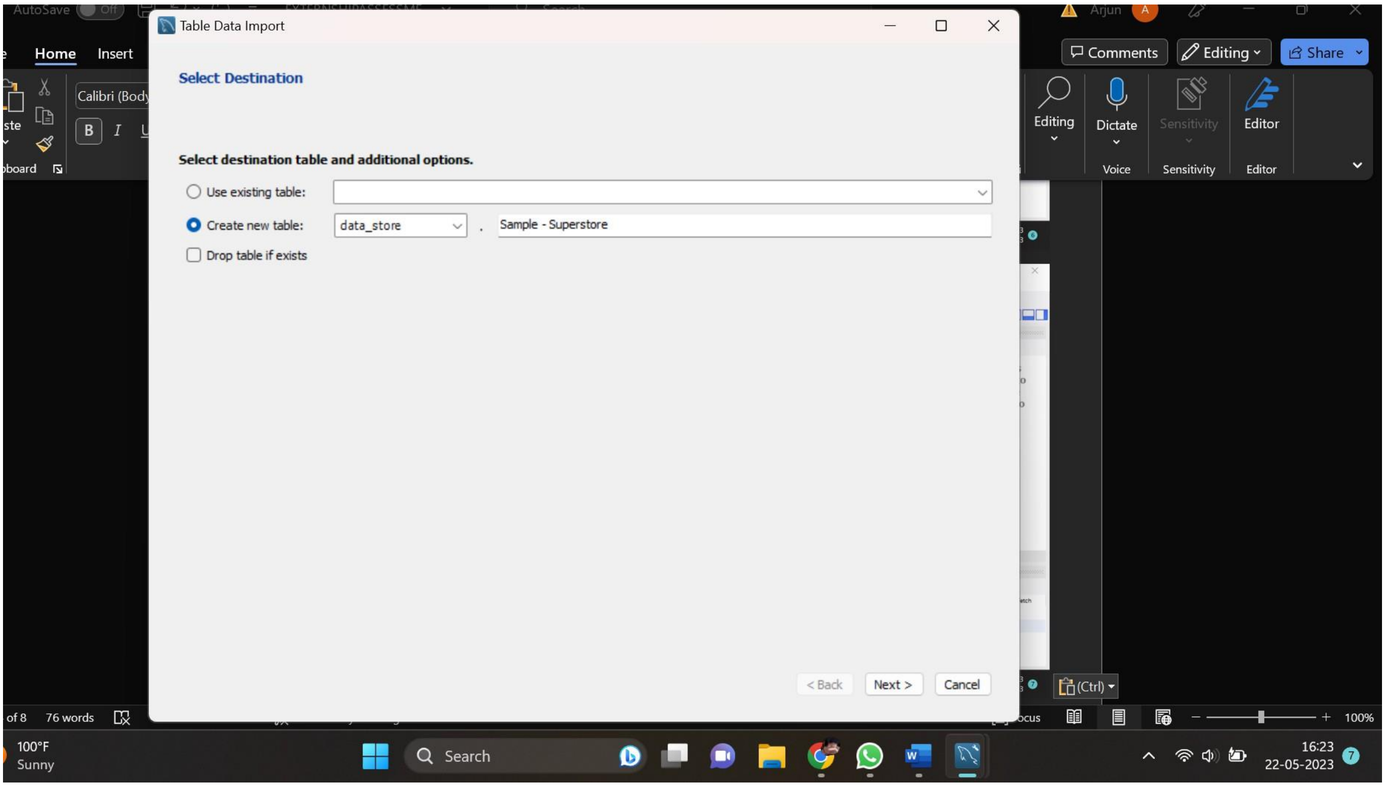


Table Data Import

Select Destination

Select destination table and additional options.

○ Use existing table:

● Create new table: data_store . Sample - Superstore

☐ Drop table if exists

< Back | Next > | Cancel

AutoSave Off
Home
Insert
Calibri (Body
Comments
Editing
Share
Dictate
Sensitivity
Editor
Voice
(Ctrl)
of 8 76 words
100%
100°F
Sunny
Search
16:23
22-05-2023

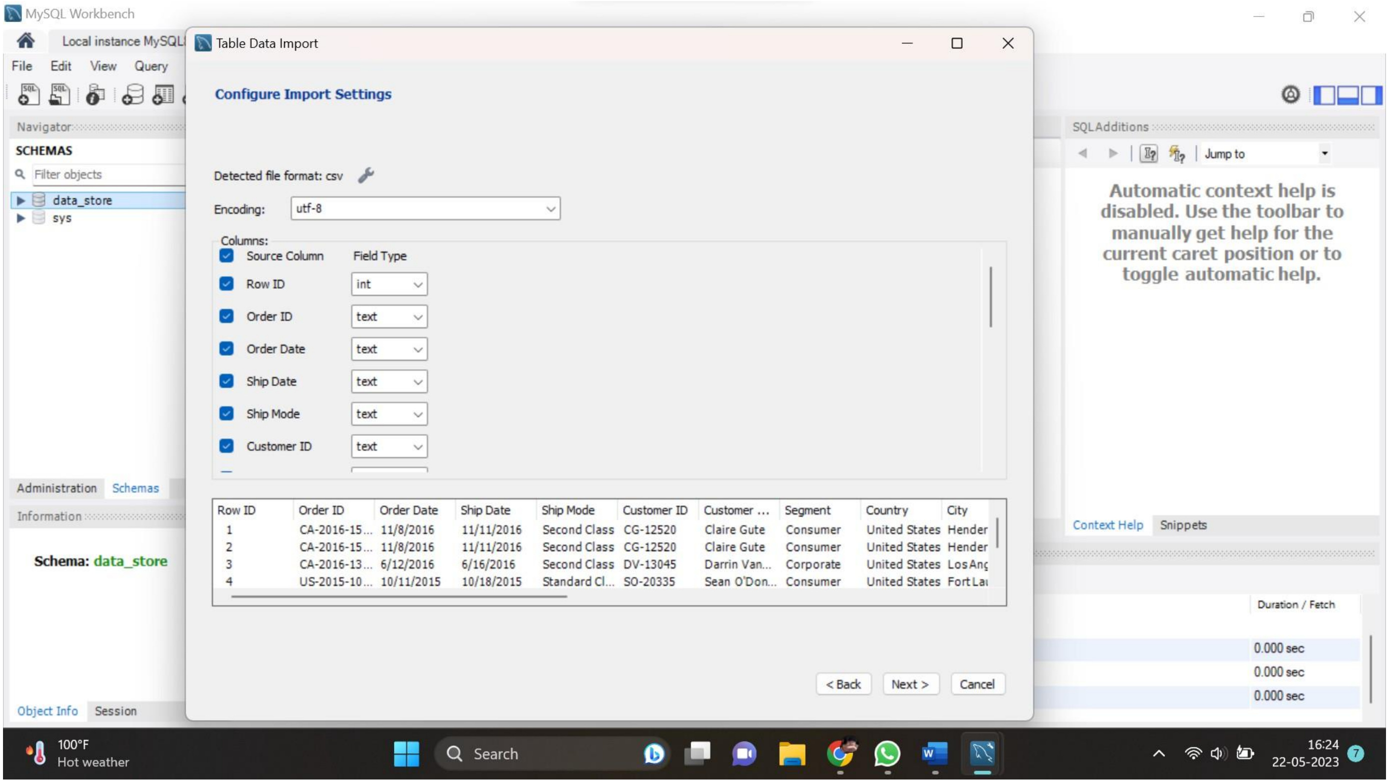


Table Data Import

Configure Import Settings

Detected file format: csv

Encoding: utf-8

Columns:

	Source Column	Field Type
☑	Row ID	int
☑	Order ID	text
☑	Order Date	text
☑	Ship Date	text
☑	Ship Mode	text
☑	Customer ID	text

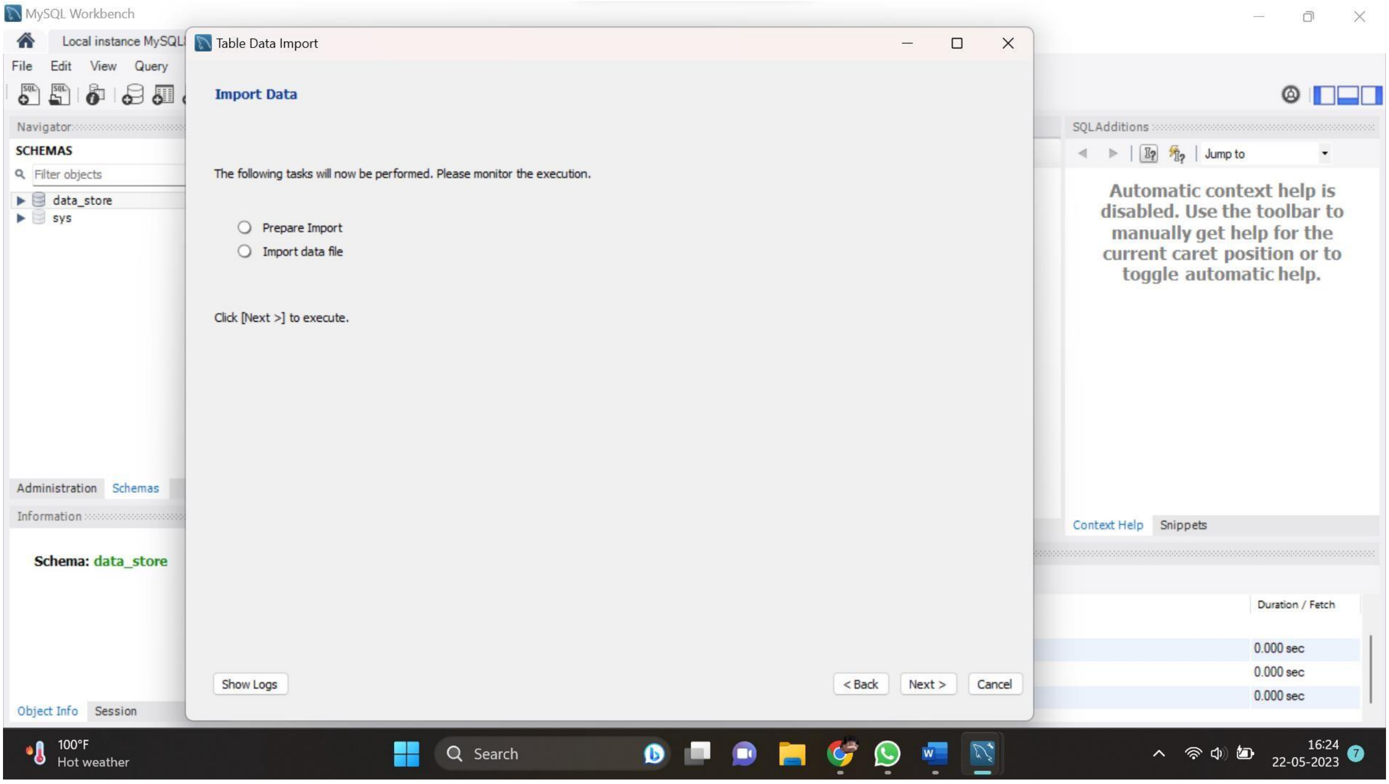
Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID	Customer ...	Segment	Country	City
1	CA-2016-15...	11/8/2016	11/11/2016	Second Class	CG-12520	Claire Gute	Consumer	United States	Hender
2	CA-2016-15...	11/8/2016	11/11/2016	Second Class	CG-12520	Claire Gute	Consumer	United States	Hender
3	CA-2016-13...	6/12/2016	6/16/2016	Second Class	DV-13045	Darrin Van...	Corporate	United States	Los Ang
4	US-2015-10...	10/11/2015	10/18/2015	Standard Cl...	SO-20335	Sean O'Don...	Consumer	United States	Fort Lau

< Back | Next > | Cancel

Schema: data_store

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

MySQL Workbench
Local instance MySQL
File
Edit
View
Query
Navigator
SCHEMAS
Filter objects
data_store
sys
Administration
Schemas
Information
Object Info
Session
SQLAdditions
Jump to
Context Help
Snippets
Duration / Fetch
0.000 sec
0.000 sec
0.000 sec
100°F
Hot weather
Search
16:24
22-05-2023


MySQL Workbench
Local instance MySQL
File Edit View Query
Navigator
SCHEMAS
Filter objects
data_store
sys
Administration Schemas
Information
Schema: data_store
Object Info Session
Table Data Import
SQLAdditions
Jump to
Context Help Snippets
Duration / Fetch
0.000 sec
0.000 sec
0.000 sec
Show Logs
< Back
Next >
Cancel
100°F
Hot weather
Search
16:24
22-05-2023

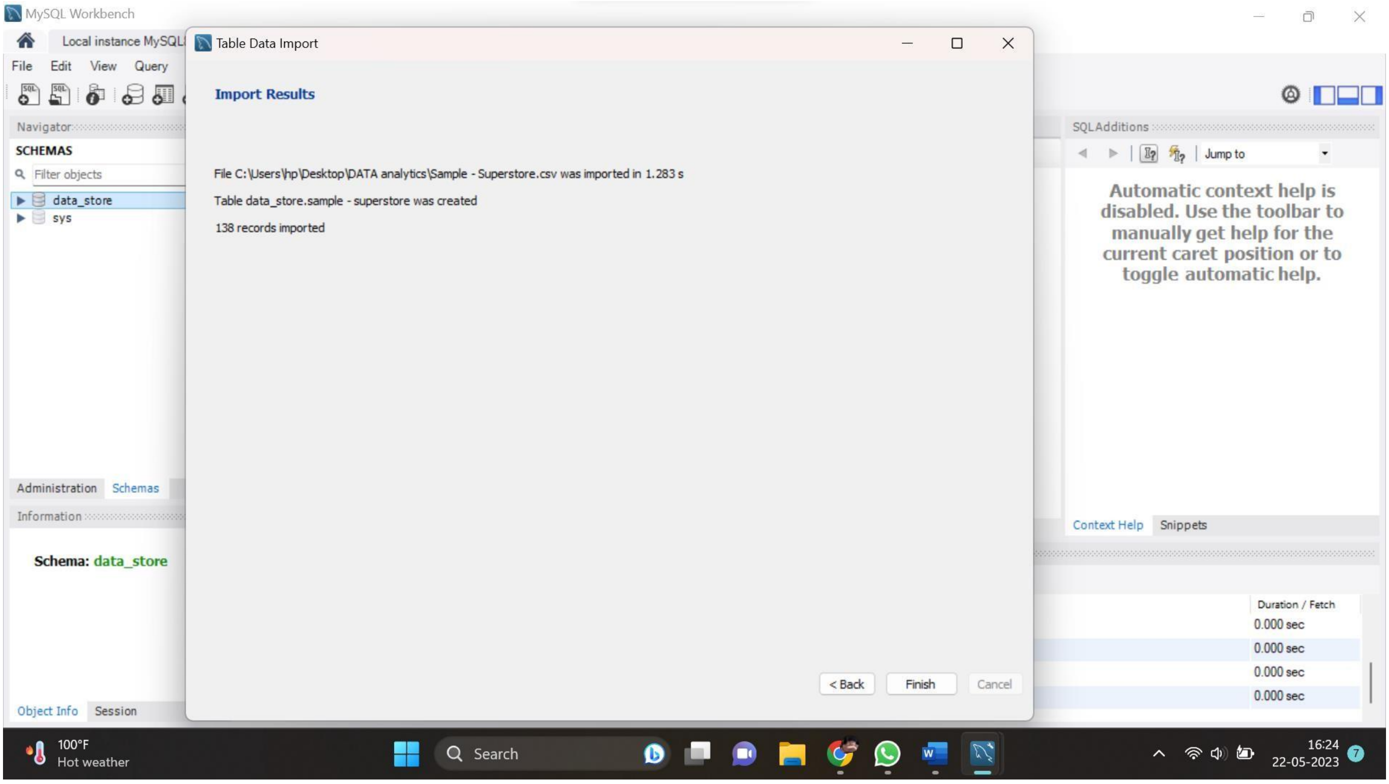
Import Data

The following tasks will now be performed. Please monitor the execution.

○ Prepare Import
○ Import data file

Click [Next >] to execute.

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.


MySQL Workbench
Local instance MySQL
File Edit View Query
Navigator
SCHEMAS
Filter objects
data_store
sys
Administration Schemas
Information
Schema: data_store
Object Info Session
Table Data Import
SQLAdditions
Jump to
Context Help Snippets
Duration / Fetch
0.000 sec
0.000 sec
0.000 sec
0.000 sec
< Back
Finish
Cancel
100°F
Hot weather
Search
16:24
22-05-2023

Import Results

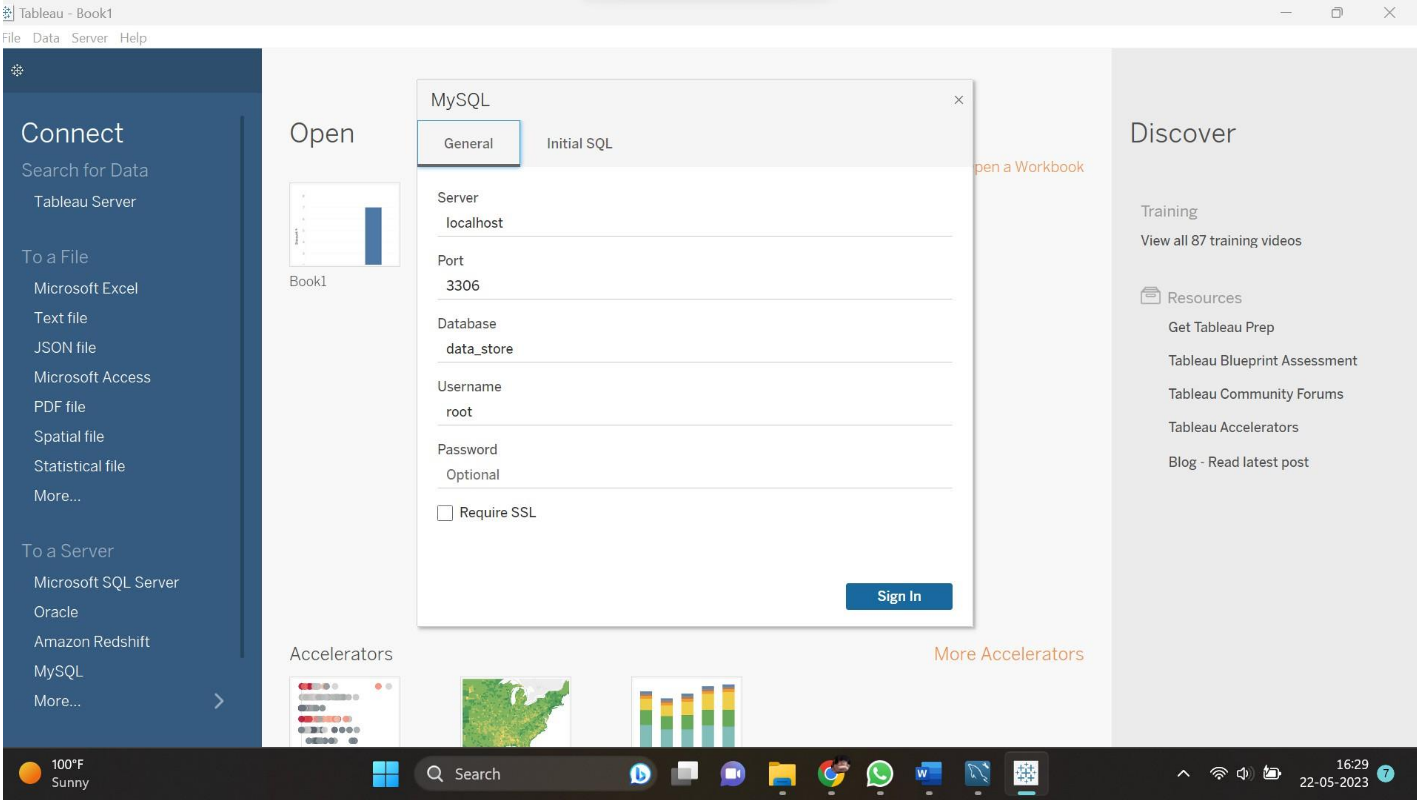
File C:\Users\hp\Desktop\DATA analytics\Sample - Superstore.csv was imported in 1.283 s

Table data_store.sample - superstore was created

138 records imported

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

3) Connect your Mysql and Tableau



MySQL

General | Initial SQL

Server
localhost

Port
3306

Database
data_store

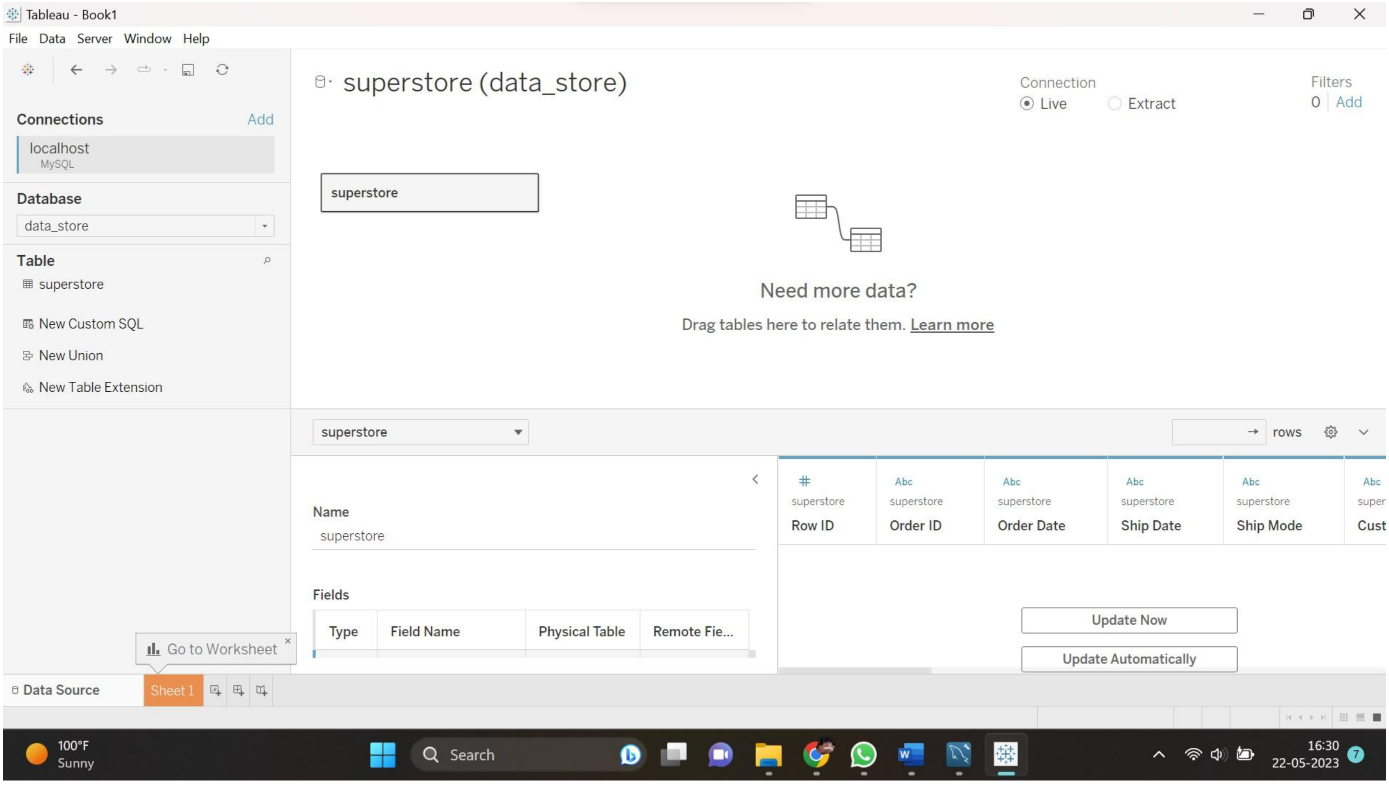
Username
root

Password
Optional

☐ Require SSL

Sign In

Tableau - Book1
File Data Server Help
Connect
Search for Data
Tableau Server
To a File
Microsoft Excel
Text file
JSON file
Microsoft Access
PDF file
Spatial file
Statistical file
More...
To a Server
Microsoft SQL Server
Oracle
Amazon Redshift
MySQL
More...
Open
Book1
pen a Workbook
Accelerators
More Accelerators
Discover
Training
View all 87 training videos
Resources
Get Tableau Prep
Tableau Blueprint Assessment
Tableau Community Forums
Tableau Accelerators
Blog - Read latest post
100°F
Sunny
Search
16:29
22-05-2023



superstore (data_store)

Connection
● Live ○ Extract

Filters
0 | Add

Connections — localhost (MySQL)

Database: data_store

Table: superstore

Name
superstore

Fields

Type	Field Name	Physical Table	Remote Fie...

# superstore	Abc superstore	Abc superstore	Abc superstore	Abc superstore	Abc super
Row ID	Order ID	Order Date	Ship Date	Ship Mode	Cust

Tableau - Book1
File Data Server Window Help
Connections
Add
Database
Table
New Custom SQL
New Union
New Table Extension
superstore
Need more data?
Drag tables here to relate them. Learn more
superstore
rows
Update Now
Update Automatically
Go to Worksheet
Data Source
Sheet 1
100°F
Sunny
Search
16:30
22-05-2023

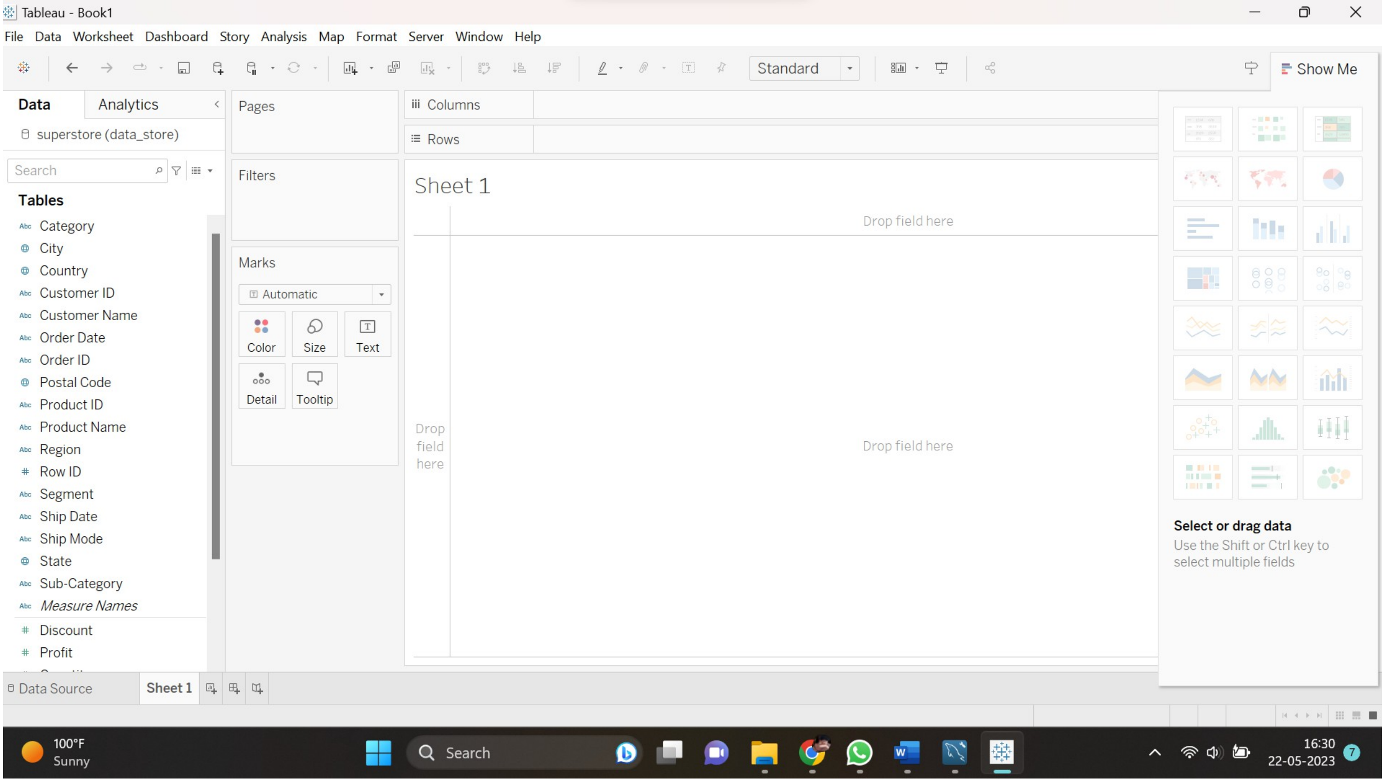


Tableau - Book1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Standard
Show Me
Data
Analytics
superstore (data_store)
Search
Tables
Category
City
Country
Customer ID
Customer Name
Order Date
Order ID
Postal Code
Product ID
Product Name
Region
Row ID
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Discount
Profit
Pages
Filters
Marks
Automatic
Color
Size
Text
Detail
Tooltip
Columns
Rows
Sheet 1
Drop field here
Drop field here
Drop field here
Select or drag data
Use the Shift or Ctrl key to select multiple fields
Data Source
Sheet 1
100°F
Sunny
Search
16:30
22-05-2023

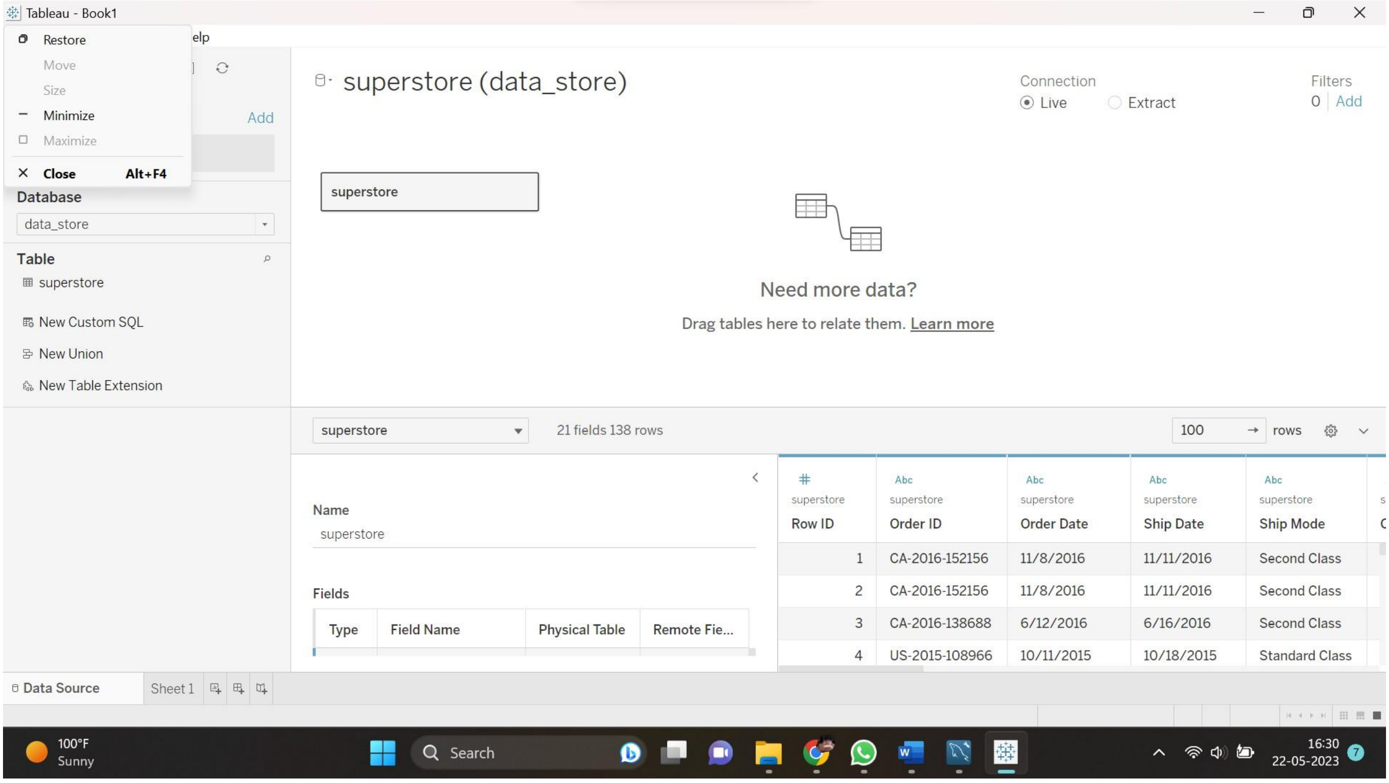


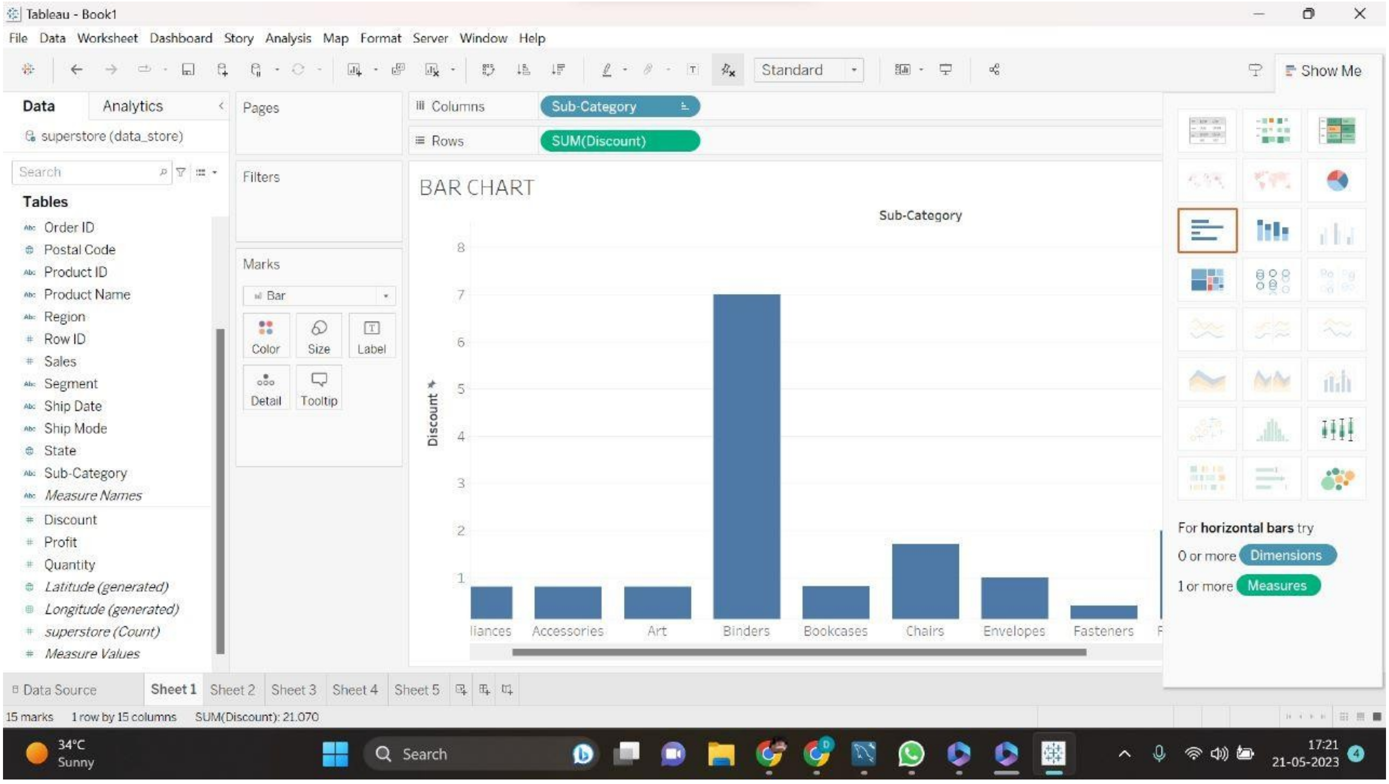
Tableau - Book1
Restore
Move
Size
Minimize
Maximize
Close Alt+F4
elp
Add
Database
data_store
Table
superstore
New Custom SQL
New Union
New Table Extension
superstore (data_store)
Connection
Live
Extract
Filters
0 Add
superstore
Need more data?
Drag tables here to relate them. Learn more
superstore
21 fields 138 rows
100
rows
Name
superstore
Fields
Type
Field Name
Physical Table
Remote Fie...
Data Source
Sheet 1
100°F
Sunny
Search
16:30
22-05-2023

Row ID	Order ID	Order Date	Ship Date	Ship Mode
1	CA-2016-152156	11/8/2016	11/11/2016	Second Class
2	CA-2016-152156	11/8/2016	11/11/2016	Second Class
3	CA-2016-138688	6/12/2016	6/16/2016	Second Class
4	US-2015-108966	10/11/2015	10/18/2015	Standard Class

4) Create the below 5 charts/plots

- **Bar chart**
- **Tree map**
- **Heatmap**
- **Pie chart**
- **Horizontal bar chart**

BAR CHART:



Columns: Sub-Category

Rows: SUM(Discount)

15 marks 1 row by 15 columns SUM(Discount): 21.070

Tableau - Book1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Standard
Show Me
Data
Analytics
superstore (data_store)
Search
Tables
Order ID
Postal Code
Product ID
Product Name
Region
Row ID
Sales
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Discount
Profit
Quantity
Latitude (generated)
Longitude (generated)
superstore (Count)
Measure Values
Pages
Filters
Marks
Bar
Color
Size
Label
Detail
Tooltip
BAR CHART
Sub-Category
Discount
8
7
6
5
4
3
2
1
liances
Accessories
Art
Binders
Bookcases
Chairs
Envelopes
Fasteners
For horizontal bars try
0 or more Dimensions
1 or more Measures
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
34°C
Sunny
Search
17:21
21-05-2023

Tree map:

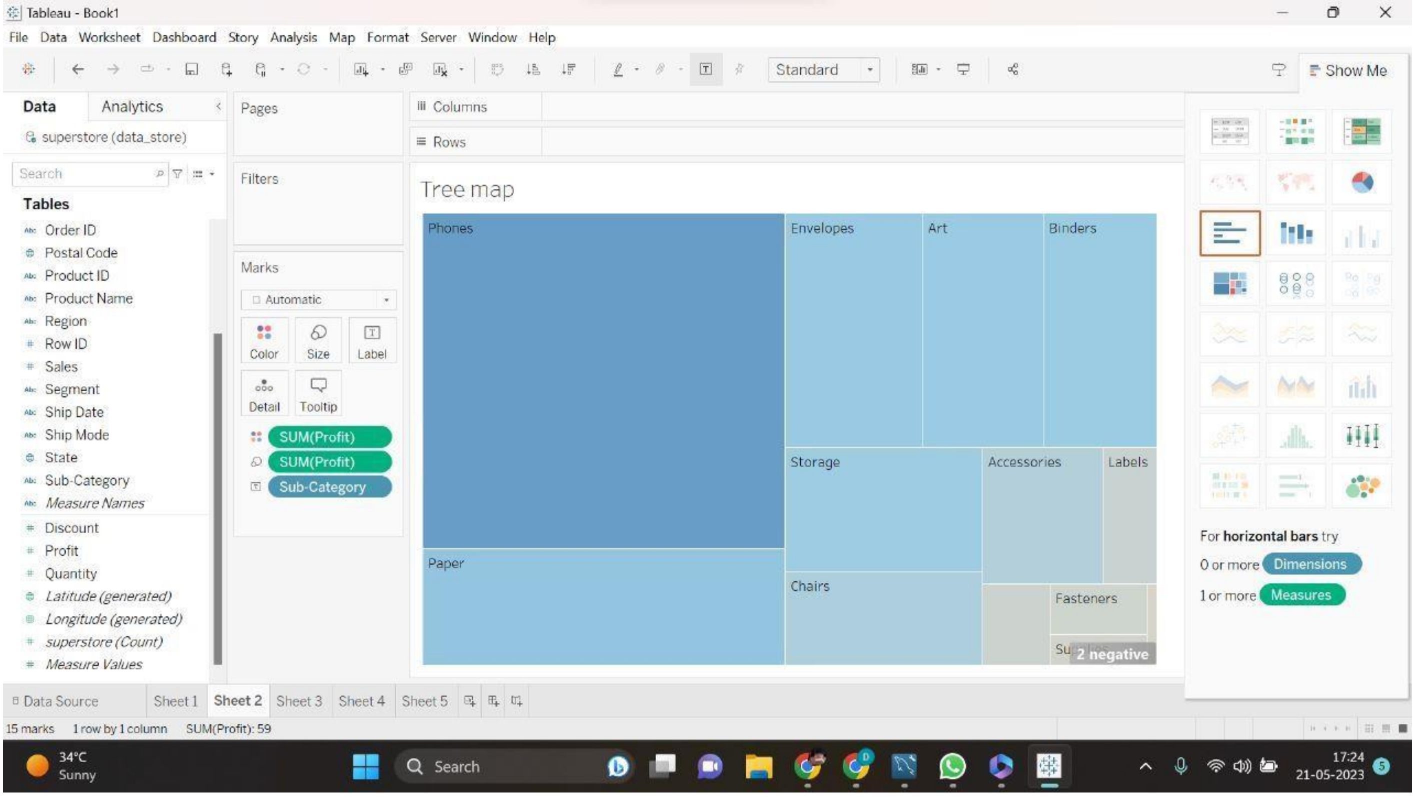


Tableau - Book1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Standard
Show Me
Data Analytics
superstore (data_store)
Pages
Columns
Rows
Filters
Marks
Automatic
Color Size Label
Detail Tooltip
SUM(Profit)
SUM(Profit)
Sub-Category
Tables
Order ID
Postal Code
Product ID
Product Name
Region
Row ID
Sales
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Discount
Profit
Quantity
Latitude (generated)
Longitude (generated)
superstore (Count)
Measure Values
Tree map
Phones
Envelopes
Art
Binders
Storage
Accessories
Labels
Paper
Chairs
Fasteners
Su
2 negative
For horizontal bars try
0 or more Dimensions
1 or more Measures
Data Source Sheet 1 Sheet 2 Sheet 3 Sheet 4 Sheet 5
15 marks 1 row by 1 column SUM(Profit): 59
34°C Sunny
Search
17:24
21-05-2023

Heatmap:

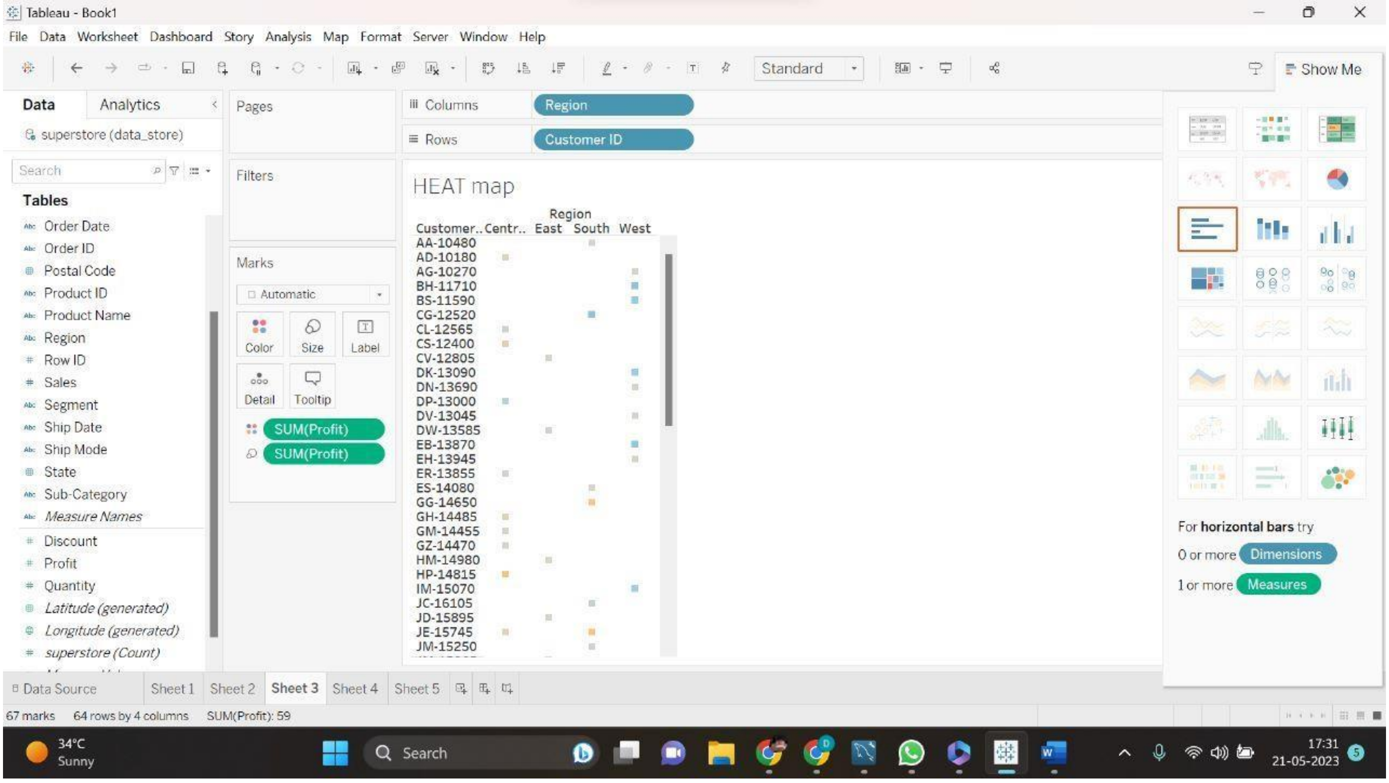


Tableau - Book1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Standard
Show Me
Data Analytics
superstore (data_store)
Pages
Columns Region
Rows Customer ID
Filters
Marks
Automatic
Color Size Label
Detail Tooltip
SUM(Profit)
SUM(Profit)
Tables
Order Date
Order ID
Postal Code
Product ID
Product Name
Region
Row ID
Sales
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Discount
Profit
Quantity
Latitude (generated)
Longitude (generated)
superstore (Count)
HEAT map
Region
Customer.. Centr.. East South West
AA-10480
AD-10180
AG-10270
BH-11710
BS-11590
CG-12520
CL-12565
CS-12400
CV-12805
DK-13090
DN-13690
DP-13000
DV-13045
DW-13585
EB-13870
EH-13945
ER-13855
ES-14080
GG-14650
GH-14485
GM-14455
GZ-14470
HM-14980
HP-14815
IM-15070
JC-16105
JD-15895
JE-15745
JM-15250
For horizontal bars try
0 or more Dimensions
1 or more Measures
Data Source Sheet 1 Sheet 2 Sheet 3 Sheet 4 Sheet 5
67 marks 64 rows by 4 columns SUM(Profit): 59
34°C Sunny
Search
17:31
21-05-2023

Pie chart:

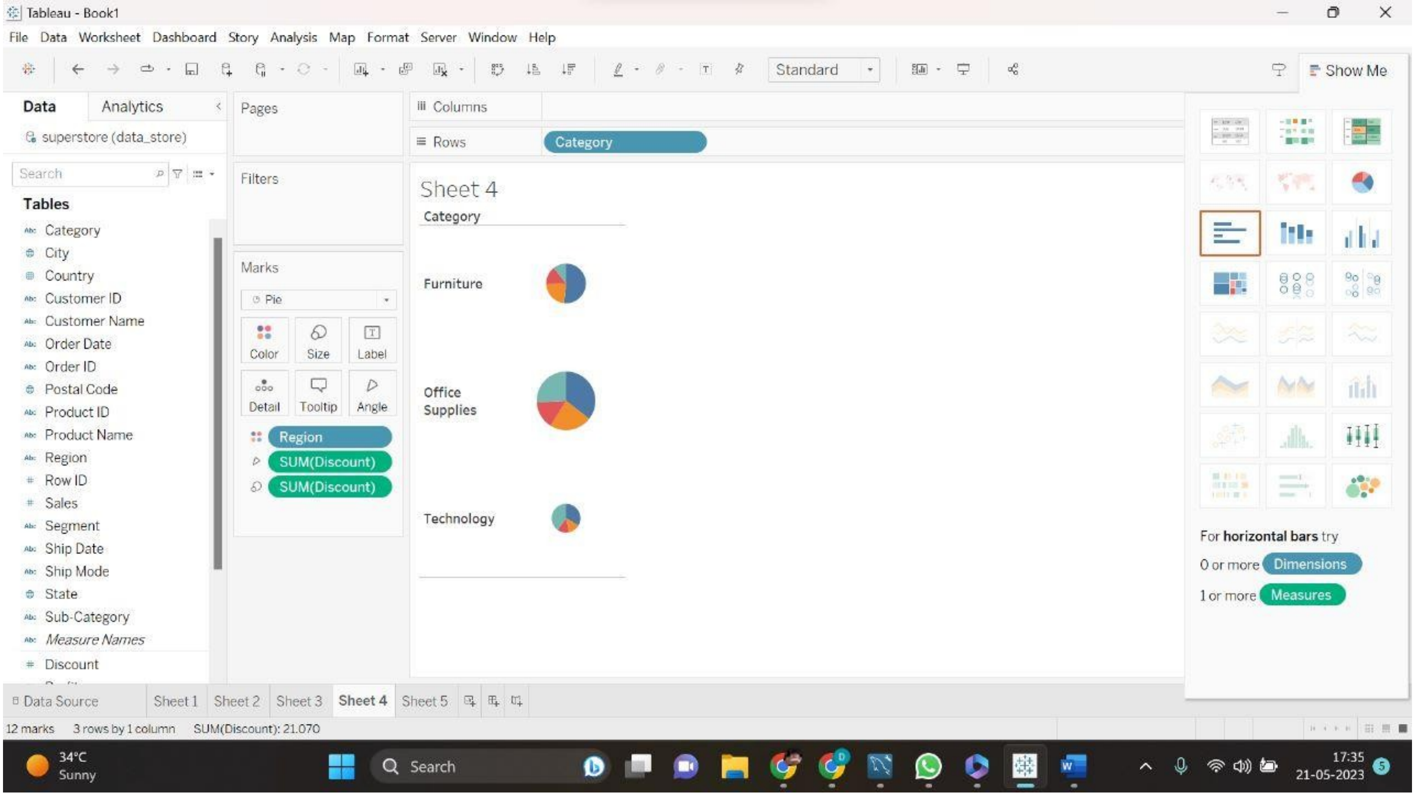


Tableau - Book1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Standard
Show Me
Data Analytics
superstore (data_store)
Tables
Category
City
Country
Customer ID
Customer Name
Order Date
Order ID
Postal Code
Product ID
Product Name
Region
Row ID
Sales
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Discount
Pages
Filters
Marks
Color
Size
Label
Detail
Tooltip
Angle
Sheet 4
Category
Furniture
Office Supplies
Technology
For horizontal bars try
0 or more Dimensions
1 or more Measures
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
34°C Sunny
Search
17:35
21-05-2023

Columns

Rows: Category

Marks: Pie

Region

SUM(Discount)

SUM(Discount)

12 marks 3 rows by 1 column SUM(Discount): 21.070

Horizontal bar chart:

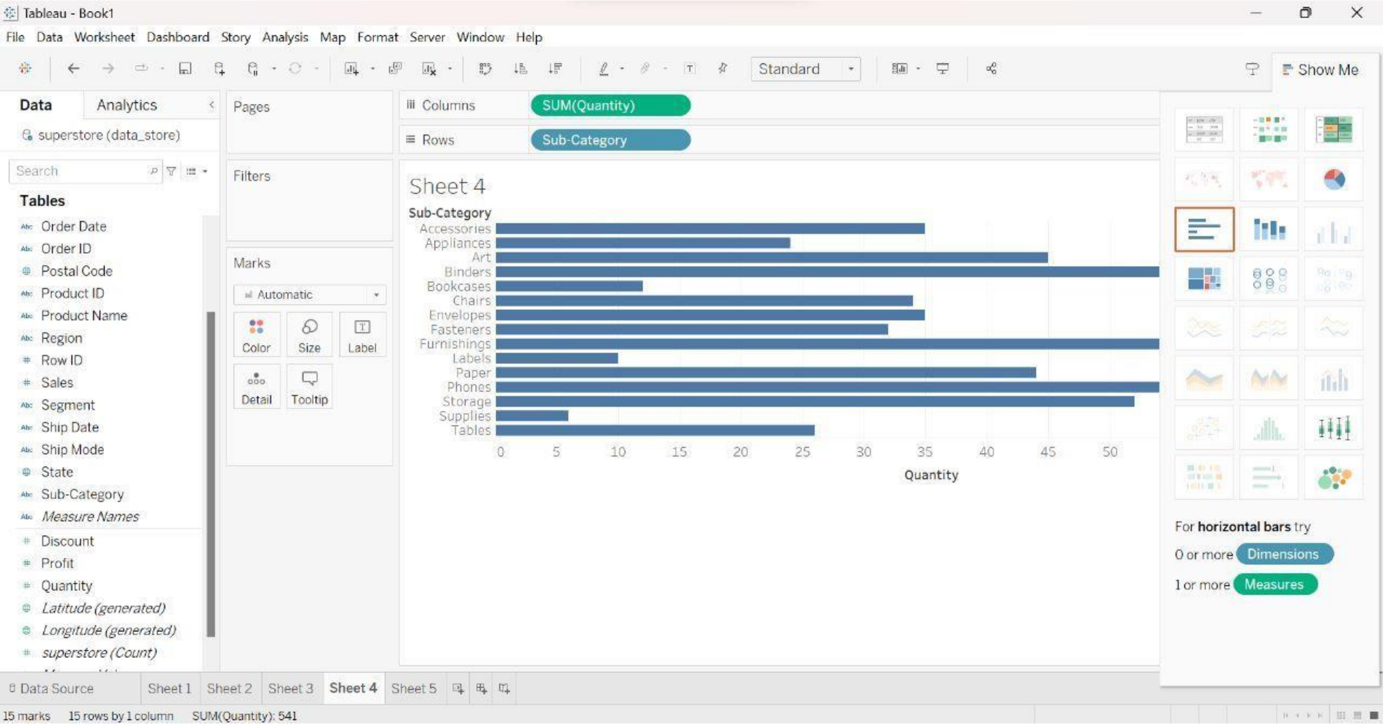


Tableau - Book1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Standard
Show Me
Data Analytics
superstore (data_store)
Tables
Order Date
Order ID
Postal Code
Product ID
Product Name
Region
Row ID
Sales
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Discount
Profit
Quantity
Latitude (generated)
Longitude (generated)
superstore (Count)
Pages
Filters
Marks
Color
Size
Label
Detail
Tooltip
Sheet 4
Sub-Category
Accessories
Appliances
Art
Binders
Bookcases
Chairs
Envelopes
Fasteners
Furnishings
Labels
Paper
Phones
Storage
Supplies
Tables
0
5
10
15
20
25
30
35
40
45
50
Quantity
For horizontal bars try
0 or more Dimensions
1 or more Measures
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5

Columns: SUM(Quantity)

Rows: Sub-Category

Marks: Automatic

15 marks 15 rows by 1 column SUM(Quantity): 541